

LISTING OF THE CLAIMS

Claims 1-18. (Canceled)

Claim 19. (New): An information recording medium which has a plurality of sector fields that record data, and in which a block is defined by a set of a predetermined number of sector fields,

wherein each sector field has a recording type area for storing one of first identification information indicating that general data is recorded, and second identification information indicating that real-time data is recorded,

when general data to which a linear replacement algorithm is applicable is recorded in a given sector field, the recording type area of the given sector field stores the first identification information, and

when real-time data to which the linear replacement algorithm is inapplicable is recorded in the given sector field, the recording type area of the given sector field stores the second identification information.

Claim 20. (New): A medium according to Claim 19, wherein
each of the sector fields includes a data ID,
the data ID includes data field information and a data field number,
the data field information includes a sector format type, a tracking method, reflectivity, a recoding type corresponding to the identification information, an area type, a data type and a layer number.

Claim 21. (New): An information recording apparatus for recording information on an information recording medium which has a plurality of sector fields that record data and respectively have recording type areas, and in which a block is defined by a set of a predetermined number of sector fields, comprising:

recording means for recording, in the recording type area of a given sector field, first identification information indicating that general data is recorded when general data to which a linear replacement algorithm is applied is recorded in the given sector field on said information recording medium, and recording, in the recording type area of the given sector field, second identification information indicating that real-time data is recorded when real-time data to which the linear replacement algorithm is inapplicable is recorded in the given sector field on said information recording medium.

Claim 22. (New): An apparatus according to Claim 21, further comprising block-unit recording means for, when the general data is recorded in a predetermined block, consistently recording the first identification information in the recording type areas of sector field included in the predetermined block, and for, when the real-time data is recorded in a predetermined block, consistently recording the second identification information in the recording type areas of sector fields included in the predetermined block.

Claim 23. (New): An information recording method comprising:

the step of, when general data to which a linear replacement algorithm is applicable is recorded in a predetermined sector field of an information recording medium which has a

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plurality of sector fields that record data and respectively have recording type areas, and in which a block is defined by a set of a predetermined number of sector fields, recording first identification information indicating that general data is recorded in the recording type area of the predetermined sector field; and

the step of, when real-time data to which the linear replacement algorithm is inapplicable is recorded in the predetermined sector field of the information recording medium, recording second identification information indicating that real-time data is recorded in the recording type area of the predetermined sector field.

Claim 24. (New): A method according to Claim 23, further comprising the steps of:

the step of, when the general data is recorded in a predetermined block of the information recording medium, consistently recording the first identification information in the recording type areas of sector fields included in the predetermined block; and

the step of, when the real-time data is recorded in a predetermined block of the information recording medium, consistently recording the second identification information in the recording type areas of sector fields included in the predetermined block.